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(54) NONAQUEOUS ELECTROLYTE BATTERY

(57)Abstract:

PURPOSE: To enhance storage characteristics.

CONSTITUTION: 1-20vol.% specific additive is added to a nonaqueous electrolyte prepared by dissolving lithium trifluoromethane sulfonate or lithium hexafluorophosphate in a solvent containing at least one high dielectric constant solvent selected from the group comprising ethylene carbonate, propylene carbonate, and butylene carbonate. The additive reacts with lithium or the like to form a film on the surface of a negative electrode, the film makes the reaction of the negative electrode with the nonaqueous electrolyte difficult to occur, and thereby self-discharge hardly occur even when a battery is stored for a long time.

LEGAL STATUS

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